1.

def **CS**(a, b):

c = 0 # initialize result

for i in range (a, b + 1):

j = 1;

while j \* j <= i:

if j \* j == i:

c = c + 1

j = j + 1

i = i + 1

return c

a = 9

b = 25

print(*"Count of squares is:"*, CS(a, b))



2.

import re as r

a=input(*"Enter the input"*);

b=r.findall(*'\d'*,a)

print(len(b))



3.

n=int(input(*"Enter a number:"*))

t=0

while(n>0):

dig=n%10

t=t+dig

n=n//10

print(*"The total sum of digits is:"*,t)



4.

import re as r

print(*"Enter the input"*)

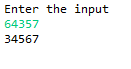
a=input()

b=(r.findall(*'\d'*,a))

b.sort()

for i in b:

print(i, end=*""*)



6.

X = [[1,2,3],

[4 ,5,6],

[7 ,8,9]]

Y = [[9,8,7],

[6,5,4],

[3,2,1]]

res = [[0,0,0],

[0,0,0],

[0,0,0]]

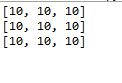
for i in range(len(X)):

for j in range(len(X[0])):

res[i][j] = X[i][j] + Y[i][j]

for r in res:

print(r)



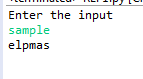
7.

print(*"Enter the input"*)

a=input()

rev=a[::-1]

print(rev)



8.

def **reverse**(s):

return s[::-1]

def **isPalindrome**(s):

rev = reverse(s)

if (s == rev):

return True

return False

s = input(*"ENTER THE NAME :"*)

ans = isPalindrome(s)

if ans == 1:

print(*"PALINDROME"*)

else:

print(*"NoT PALINDROME"*)

